WHAT IS CLAIMED:

	1	1.	A method for reducing memory latency in a multi-node architecture, comprising:
	2		receiving a speculative memory read request at a home node before results of a
	3	cache	coherence protocol are determined; and
	4		initiating a read to memory to complete the speculative memory read request.
	1	2.	The method of claim 2, further comprising:
	2		buffering results of the read to memory.
	1	3.	The method of claim 2, further comprising:
7.4	2		dropping the results of the read to memory on a buffer full condition or if a cancel
gend dies meil ist beschieden dem seen generalische gener	3	comm	and is received.
den de selle de la company de	1	4.	The method of claim 3, further comprising:
	2		if a confirm command is received after results of the read to memory are dropped,
	3	initiati	ng a second read to memory to complete a memory read request.
	1	5.	The method of claim 4, further comprising:
	2		forwarding results of the second read to memory to a requester.
	1	6.	The method of claim 3, further comprising:
	2		if a confirm command is received before results of the speculative read are
	3	droppe	ed, forwarding the results of the read to memory to a requester.

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1 7. The method of claim 6, wherein the speculative memory read request is issued by 2 the requesting node. 8. The method of claim 6, further comprising: 1 receiving the results of the read to memory at the coherence agent; and 2 forwarding the results of the read to memory to the requesting node. 3 9. A method for reducing memory latency, comprising: 1 issuing a speculative memory read request to a home node before results of a 2 3 cache coherence protocol are determined; and initiating the cache coherence protocol. 10. The method of claim 9, further comprising: updating a memory status relating to the results in a table after the results of the cache coherence protocol are determined. The method of claim 9, wherein initiating the cache coherence protocol 11. comprising: 3 initiating a status look-up to determine the caching status of the requested memory. 4 12. The method of claim 11, further comprising: 1 2 issuing a confirm command to the home node if the caching status is determined

to be in an invalid state or shared state.

1	13.	The method of claim 11, further comprising:	
2		snooping a node with the exclusive copy of the requested memory cached.	
1	14.	The method of claim 13, further comprising:	
2		determining whether the exclusive copy of the requested memory is clean or dirty.	
1	15.	The method of claim 14, further comprising:	
2		issuing a confirm command to the home node if the exclusive copy of the	
3	requested memory is clean.		
1	16.	The method of claim 14, further comprising:	
2		issuing a cancel command to the home node if the exclusive copy of the requested	
3	memory is dirty.		
1	17.	The method of claim 13, further comprising:	
2		receiving a snoop result, wherein the snoop result includes a copy of the requested	
3	memory; and		
4	,	updating a memory status relating to the requested memory in a table.	
1	18.	The method of claim 17, further comprising:	
2		receiving the requested memory; and	
3		forwarding the requested memory to a requesting node.	
1	19.	A home node for responding to read requests in a multi-node architecture	
		ing a plurality of nodes, the home node comprising:	
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a processor;

4		a memory; and			
5		a node controller coupled to the processor and memory, the node controller			
6	adapted to:				
7		receive a speculative memory read request from a requester in the multi-			
8		node architecture before a cache coherence protocol is resolved, and			
9		initiate a read to memory to complete the speculative memory read			
0		request.			
1	20.	The home node of claim 19 further comprising:			
2		a buffer adapted to buffer the results of the read to memory.			
1	21.	The home node of claim 20, wherein the results of the read from memory are			
2	dropp	ed from the buffer on a buffer full condition or upon receiving a cancel command.			
1	22.	The home node of claim 20, wherein the node controller responsive to a confirm			
2	is ada _j	pted to forward the results of the read to memory to the requester.			
1	23.	The home node of claim 20, wherein the node controller responsive to a cancel			
2	comm	and is adapted to drop the data specified by the speculative read command.			
1	24.	A system comprising:			
2		a node including a node controller adapted to control a plurality of processors			
3	resident in the node, wherein the node controller adapted to receive a speculative read				
4	request before results of a coherence protocol are determined and the node controller				
5	adapted to read data specified by the speculative read command from memory; and				

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a coherence agent coupled to the at least one node, the coherence agent including a coherence controller adapted to determine the results of the coherence protocol and adapted to forward a cancel command or a confirm command to the node after the results of the coherence protocol are determined.

- The system of claim 24, wherein the node controller responsive to the confirm 25. 1 command issued by the coherence controller is adapted to send the data read from 2 memory to the coherence controller. 3
 - The system of claim 24, wherein the node controller responsive to the cancel 26. command issued by the coherence controller is adapted to drop the data read from memory.
 - 27. The system of claim 24, further comprising: a requesting node adapted to send a data read request to request data identified by a memory address included in the data read request.
 - The system of claim 27, wherein the speculative read request is sent by the 28. requesting node.
- The system of claim 24, wherein the speculative read request is sent by the 29. 1 switching agent. 2